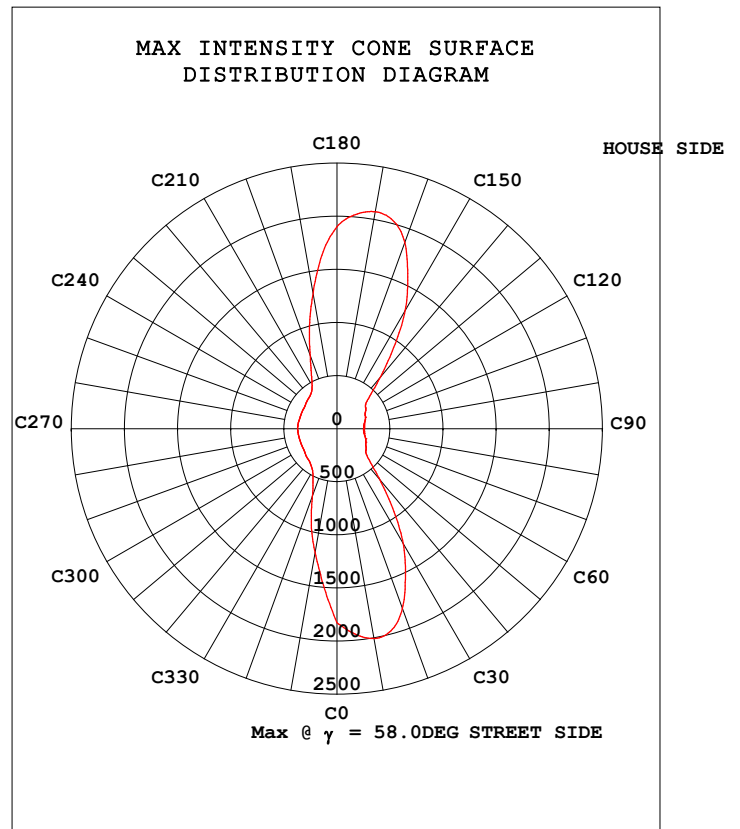
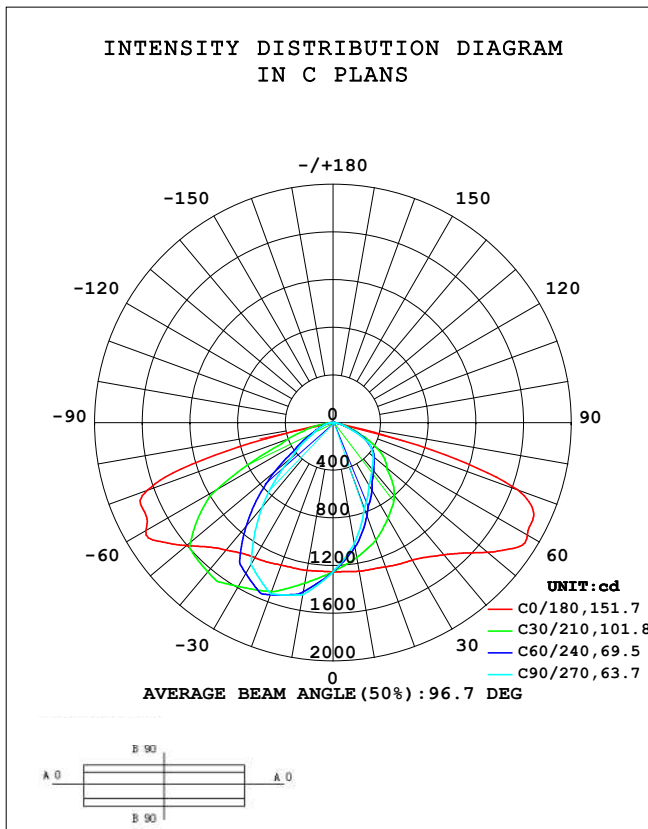


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.1175A P:25.41W PF:0.9792 Lamp Flux:4025.98x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.44 lm/W			
MODEL	LED	Imax (cd)	2075	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	25	LOR (%)	100.0	$\eta$ street_down (%)	50.5
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	4026	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	4025.98	MAXIMUM @ (C, $\gamma$ )	170,58.0	$\eta$ house_down (%)	49.5
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	17.042



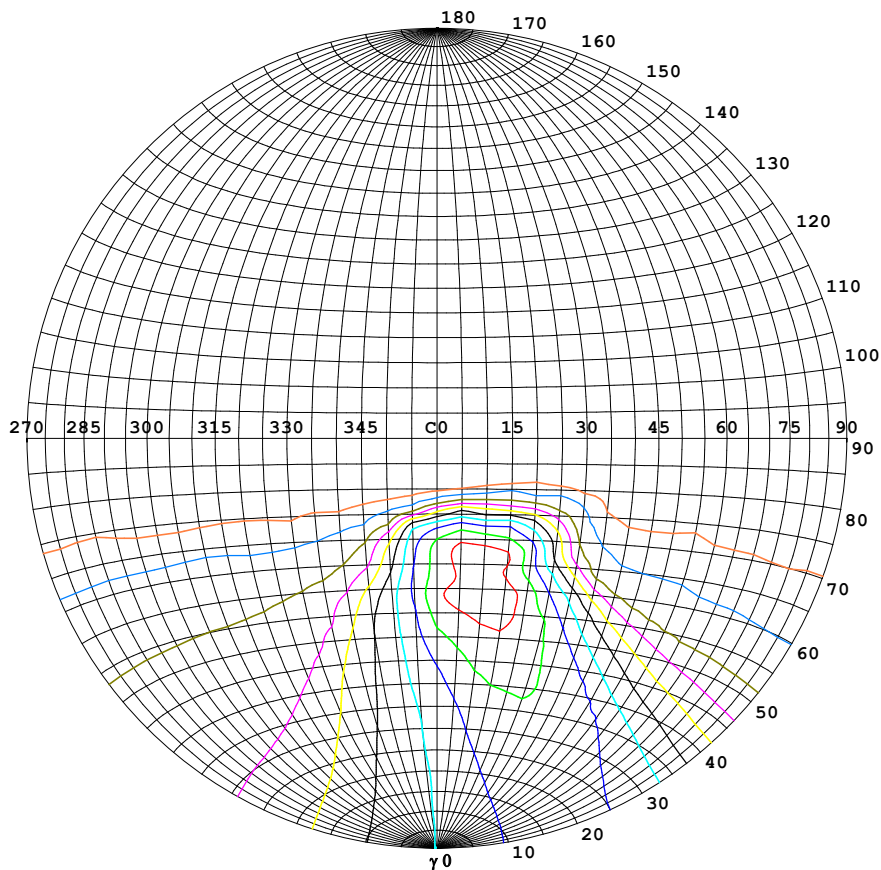
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

Note: SLI:Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1175A P:25.41W PF:0.9792 Lamp Flux:4025.98x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



## Classification:

IES:Type IV - Short

CIE:Broad - Short

IES:Cut-off

CIE:Semi-cut-off

Max.At80:45.27cd/klm

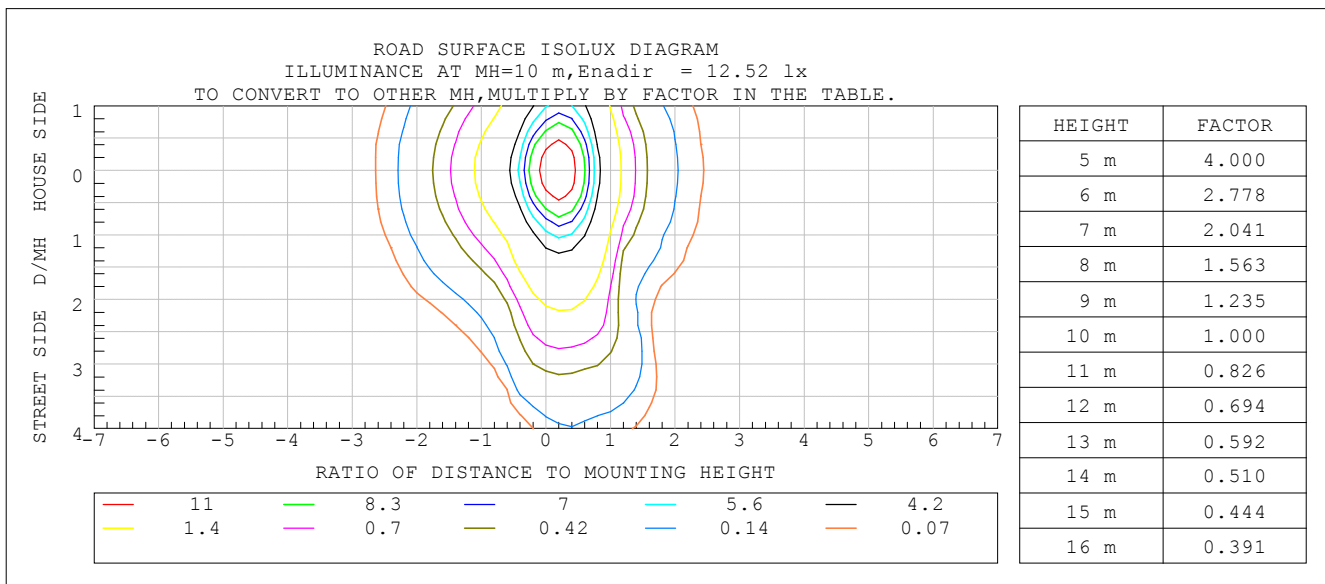
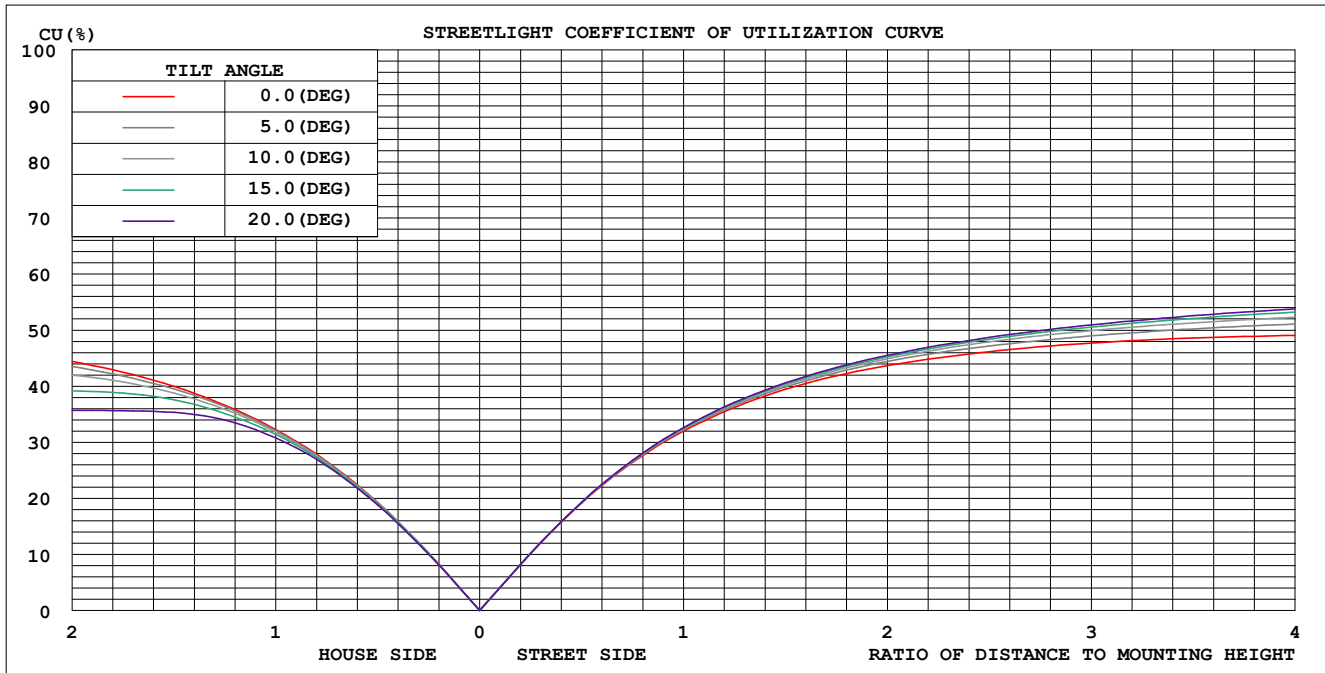
Max.At90:4.217cd/klm

Max.80-90:45.27cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2075
90%	1867
80%	1660
70%	1452
60%	1245
50%	1037
40%	830
30%	622
20%	415
10%	207
5%	104

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

gamma Range: 0 - 90DEG  
gamma Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.1175A P:25.41W PF:0.9792 Lamp Flux:4025.98x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

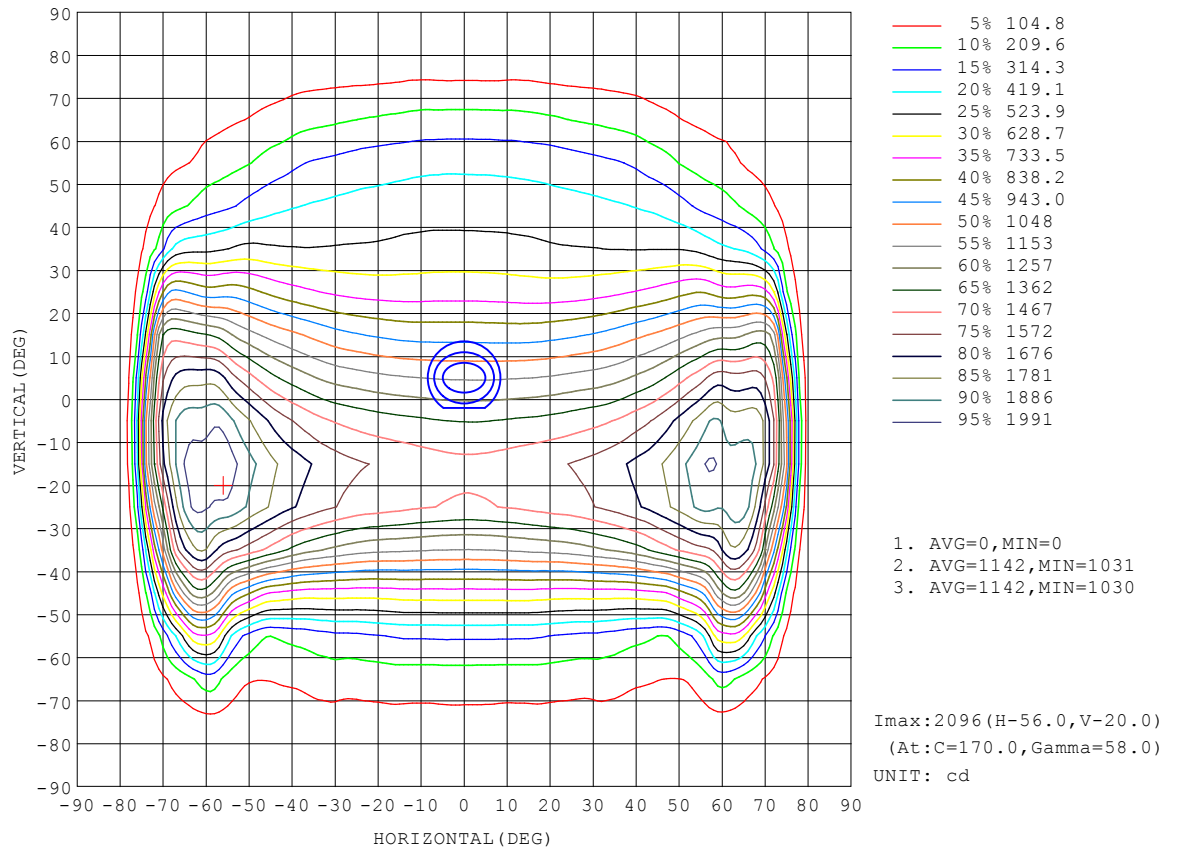
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	1252	1327	1359	1330	1255	1175	1142	1173	0- 5	29.92	29.92	0.74,0.74
10	1259	1410	1466	1416	1266	1100	1032	1095	5- 10	89.69	119.6	2.97,2.97
15	1265	1488	1498	1499	1273	1020	900.7	1012	10- 15	148.3	267.9	6.66,6.66
20	1273	1529	1529	1539	1288	923.9	769.0	911.5	15- 20	203.3	471.2	11.7,11.7
25	1293	1571	1453	1578	1310	826.3	688.4	808.5	20- 25	253.9	725.1	18,18
30	1310	1564	1376	1564	1332	745.5	607.7	726.4	25- 30	298.1	1023	25.4,25.4
35	1338	1508	1151	1507	1377	662.5	558.8	648.6	30- 35	333.9	1357	33.7,33.7
40	1396	1433	925.4	1434	1448	572.3	510.0	564.8	35- 40	358.5	1716	42.6,42.6
45	1477	1222	690.9	1220	1548	528.5	476.5	523.7	40- 45	372.0	2088	51.9,51.9
50	1607	986.4	456.3	984.0	1694	473.8	443.1	474.0	45- 50	374.7	2462	61.2,61.2
55	1746	665.2	329.1	662.0	1842	424.2	397.8	426.5	50- 55	367.0	2829	70.3,70.3
60	1814	325.4	202.0	322.8	1882	362.2	352.4	368.5	55- 60	349.2	3179	79,79
65	1752	208.3	153.9	206.1	1858	270.5	245.6	276.3	60- 65	307.6	3486	86.6,86.6
70	1656	126.5	105.8	125.9	1646	171.5	138.7	176.5	65- 70	262.0	3748	93.1,93.1
75	926.1	87.25	72.34	87.91	744.3	93.45	91.10	93.62	70- 75	183.8	3932	97.7,97.7
80	70.78	53.41	38.88	54.67	51.68	52.80	43.44	51.86	75- 80	71.17	4003	99.4,99.4
85	31.39	14.30	0	15.11	19.26	13.18	0	12.51	80- 85	19.77	4023	99.9,99.9
90	16.98	0	0	0	13.44	0	0	0	85- 90	3.098	4026	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-22

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

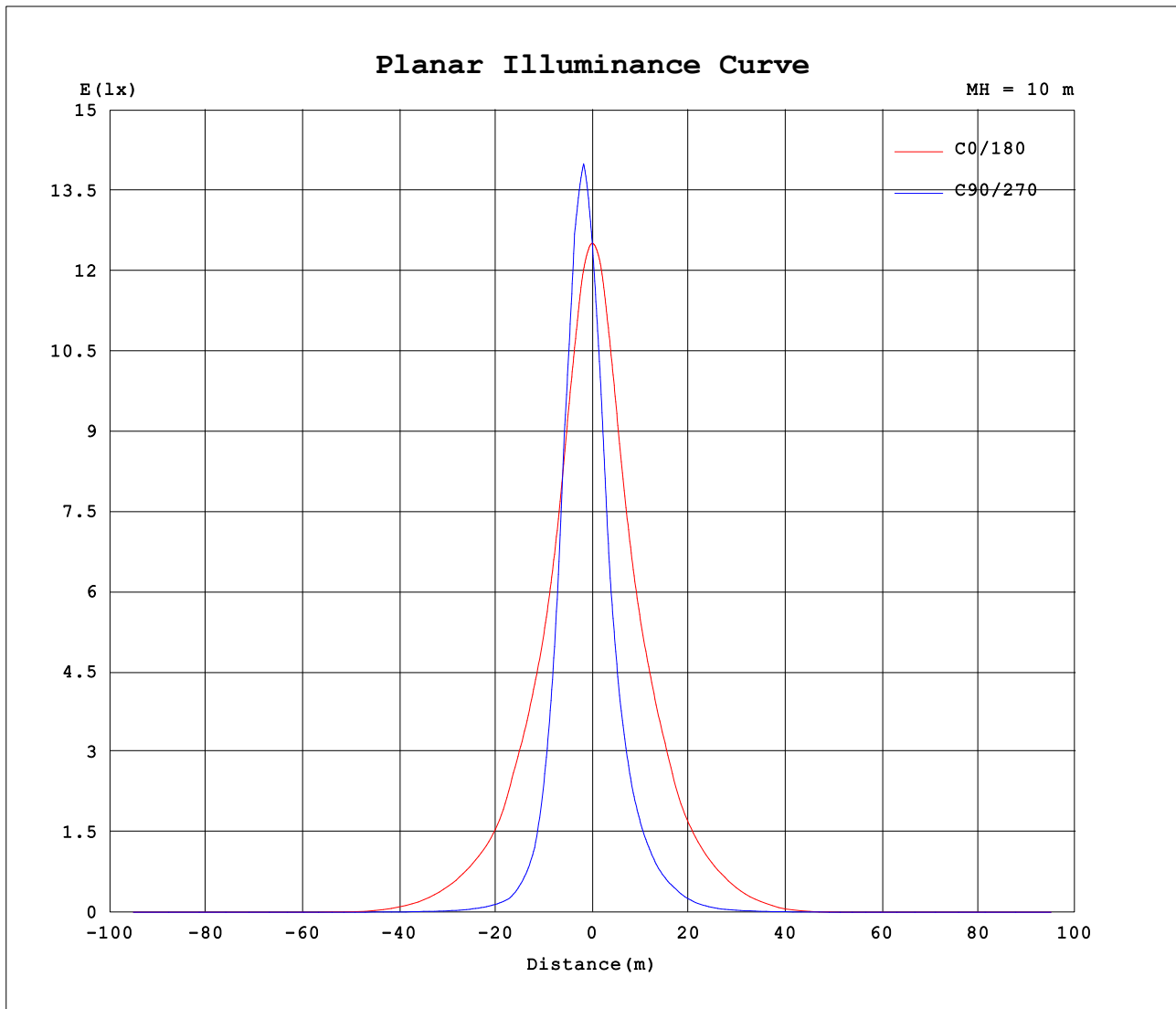
Test:U:220.9V I:0.1175A P:25.41W PF:0.9792 Lamp Flux:4025.98x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



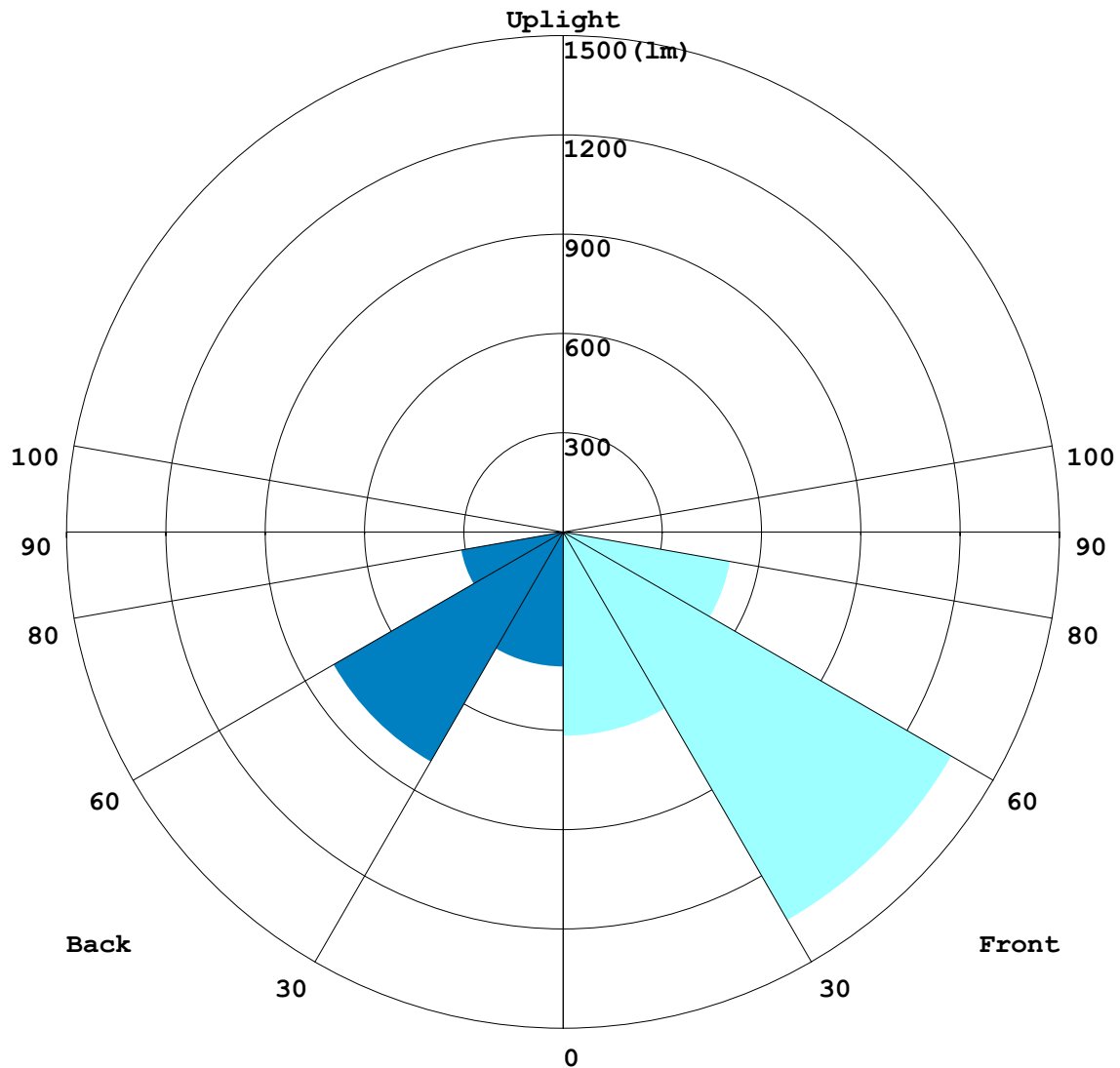
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.9V I:0.1175A P:25.41W PF:0.9792 Lamp Flux:4025.98x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.9V I:0.1175A P:25.41W PF:0.9792 Lamp Flux:4025.98x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	616.21	15.3
FM - Front-Medium(30-60)	1354.6	33.6
FH - Front-High(60-80)	512.73	12.7
FVH - Front-Very High(80-90)	13.326	0.3
Total Forward Light	2496.8	62.0

BL - Back-Low(0-30)	407.01	10.1
BM - Back-Medium(30-60)	800.81	19.9
BH - Back-High(60-80)	311.81	7.7
BVH - Back-Very High(80-90)	9.5372	0.2
Total Back Light	1529.2	38.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1529.2	0	1529.2
Street Side	2496.8	0	2496.8

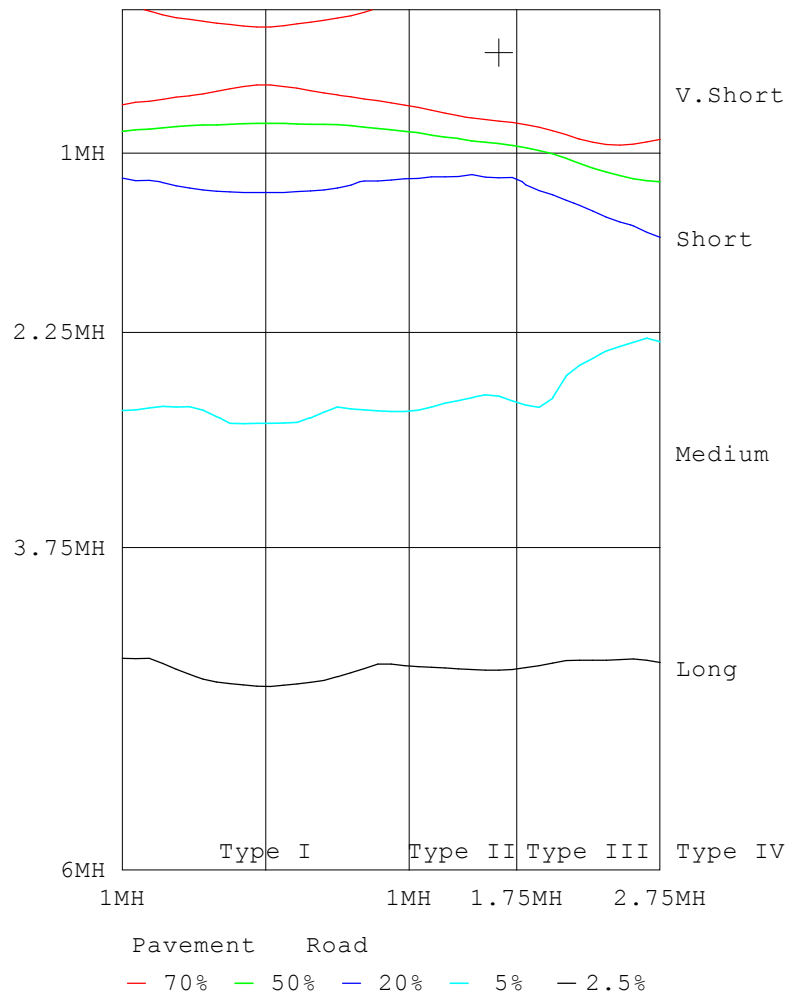
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.1175A P:25.41W PF:0.9792 Lamp Flux:4025.98x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```